



Machine Id
JOHN DEERE 470G 1FF470GXELF236558
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (3 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

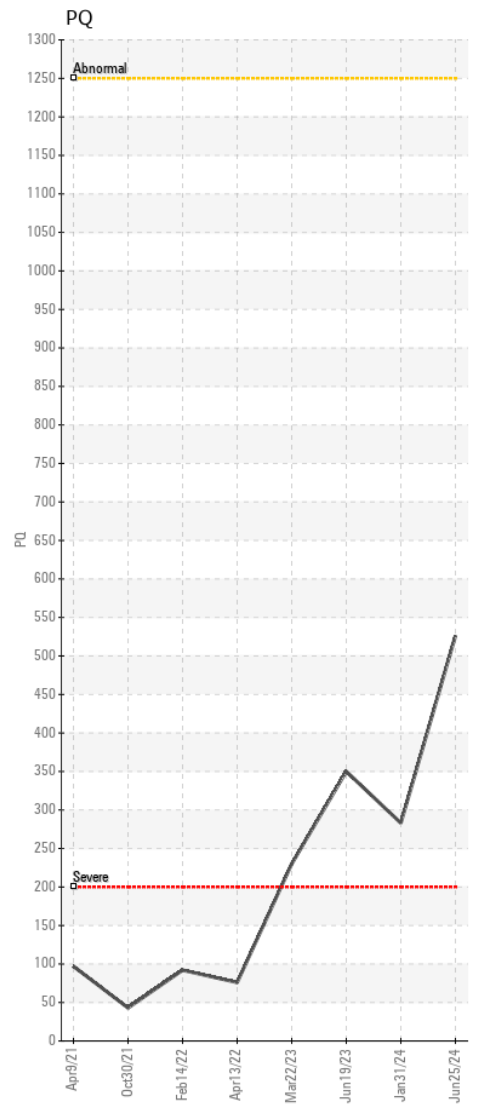
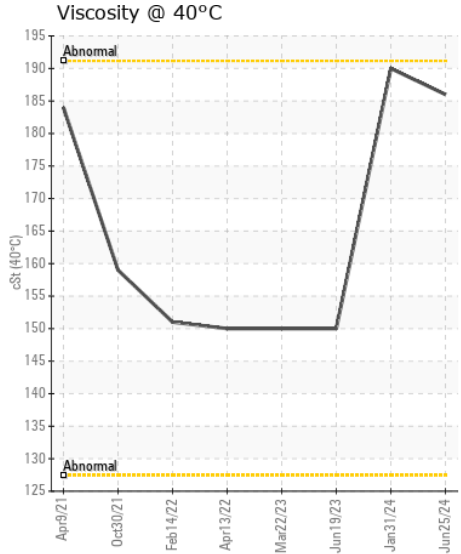
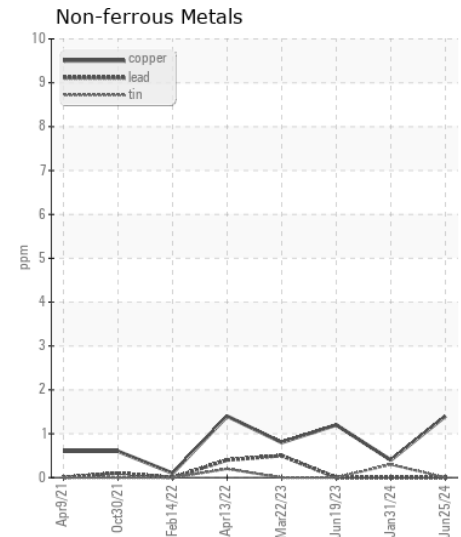
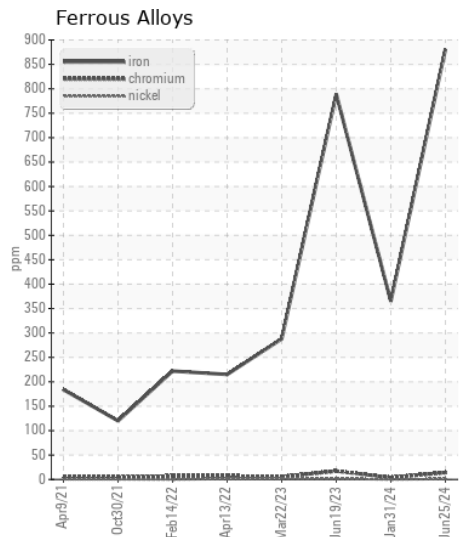
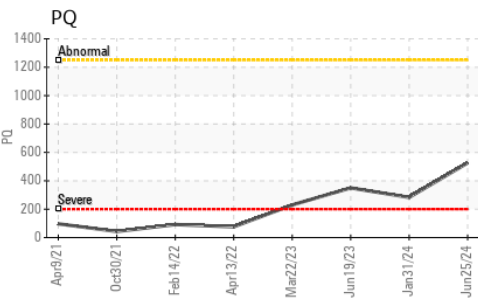
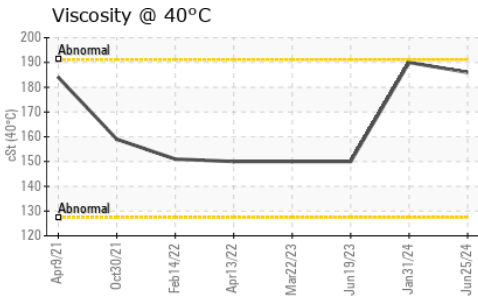
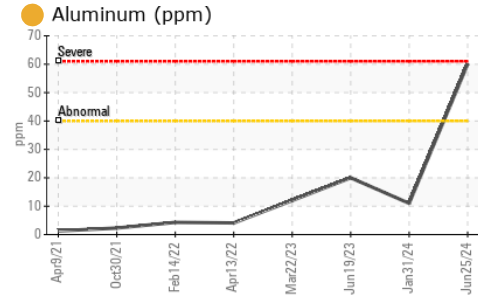
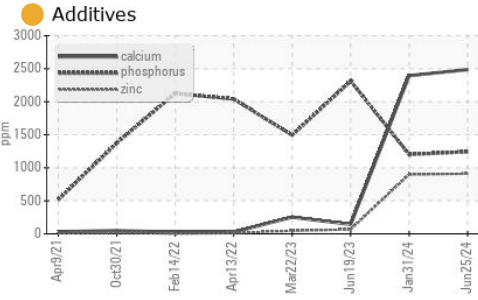
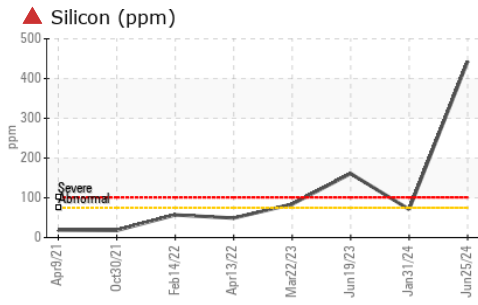
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221007	JR0202604	JR0174091
Sample Date		Client Info		25 Jun 2024	31 Jan 2024	19 Jun 2023
Machine Age	hrs	Client Info		5971	5297	4163
Oil Age	hrs	Client Info		2850	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		N/A	None	N/A
Sample Status				SEVERE	ATTENTION	ABNORMAL
PQ		ASTM D8184	>1250	526	283	350
Iron	ppm	ASTM D5185m	>750	881	365	789
Chromium	ppm	ASTM D5185m	>9	14	4	17
Nickel	ppm	ASTM D5185m	>10	<1	0	1
Titanium	ppm	ASTM D5185m		7	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	60	11	20
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	443	71	161
Potassium	ppm	ASTM D5185m	>20	11	<1	8
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	5	3	4
Boron	ppm	ASTM D5185m		29	17	23
Barium	ppm	ASTM D5185m		0	<1	6
Molybdenum	ppm	ASTM D5185m		3	1	3
Manganese	ppm	ASTM D5185m		7	3	10
Magnesium	ppm	ASTM D5185m		23	23	21
Calcium	ppm	ASTM D5185m		2487	2394	143
Phosphorus	ppm	ASTM D5185m		1243	1202	2313
Zinc	ppm	ASTM D5185m		910	899	66
Sulfur	ppm	ASTM D5185m		13419	10628	31119
Visc @ 40°C	cSt	ASTM D445		186	190	150



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221007 **Received** : 26 Jun 2024
Lab Number : 06221499 **Tested** : 27 Jun 2024
Unique Number : 11099696 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - NEW BERN
 3816 MARTIN LUTHER KING BLVD
 NEW BERN, NC
 US 28562
 Contact: NEW BERN SHOP
 nick.etheridge@jamesriverequipment.com; canastasio@wearcheckusa.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: